ConnMan status update

Patrik Flykt, LPC 2014, Düsseldorf
ConnMan recap

● Integrated network management
  ○ D-Bus APIs
  ○ ethernet, wifi (wpa_supplicant), cellular (ofono),
    bluetooth (bluez), nfc handover (neard), USB gadget
  ○ IPv4, IPv6 network setup
  ○ integrated DHCP\{V4,V6\}, DNS, NTP, WISPr
  ○ session, i.e. “application based routing”

● Efficient use of memory and resources
● Select an uplink from the available ones
ConnMan networking

- Network technologies
  - USB gadget uplink
  - DHCP for cellular connections
  - quite a few fixes to DHCP
  - multiple Agents

- Session (per-application routing)
  - integrate with autoconnect support
  - policy module with suitable hooks
ConnMan WiFi P2P support

- **net.connman.Peer**
  - think hard about what is needed

- **standard P2P features**
  - discover/list peers
  - connect, disconnect
  - authenticate incoming/outgoing peer connections
  - register, unregister P2P services
  - become group owner when needed

- **wpa_supplicant**
ConnMan resources

- new home on https://01.org/connman
- connman@connman.net
- #connman
- git://git.kernel.org/pub/scm/network/connman/connmanman.git